

S3 Table. Mechanical properties of trabecular porcine specimens. No significant difference was found between mechanical properties within vertebra for different spines. Therefore, mechanical properties were pooled and presented as a mean \pm standard deviation.

Mechanical properties	Value
Initial elastic modulus, E_0	1558.90 \pm
[MPa]	441.59
Yield stress, σ_y [MPa]	12.43 \pm 3.37
Yield strain, ε_y [%]	1.03 \pm 0.17
Strength, σ_{ult} [MPa]	14.76 \pm 2.78
Ultimate strain, ε_{ult} [%]	1.71 \pm 0.49